

#2

Sheet 1 of 3

Form PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Atty. Docket No. US 000018	Serial No.
	Applicant J. DAVID SCHAFER			
	Filing Date	Group		

INFORMATION DISCLOSURE CITATION
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U.S. PATENT DOCUMENTS

Ex. Int.		Document Number	Date	Name	Class	Sub-class	Filing Date If Approp.
BS	AA	5 6 3 5 9 8 9	6/1997	ROTHMILLER	348	563	
BS	AB	5 8 8 0 7 6 8	3/1999	LEMMONS ET AL	348	1	
BS	AC	5 5 8 5 8 6 5	12/1996	AMANO ET AL	348	731	
BS	AD	5 8 2 8 4 1 9	10/1998	BRUETTE ET AL	348	563	
BS	AE	5 5 3 4 9 1 1	7/1996	LEVITAN	348	1	
BS	AF	4 7 0 6 1 2 1	11/1987	YOUNG	358	142	
BS	AG	5 4 4 4 4 9 9	8/1995	SAITOH	348	734	
BS	AH	5 7 5 8 2 5 9	5/1998	LAWLER	455	5.1	

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-class	Trans.
							Yes No
BS	AI	W 0 9 8 5 3 6 0 9	11/1998	PCT (WORLD)	H04N	7/088	
BS	AJ	W 0 9 8 2 1 8 7 8	5/1998	PCT (WORLD)	H04N	A2	
BS	AK	W 0 9 4 1 3 1 0 7	6/1994	PCT 9WORLD)	H04N	7/16	
BS	AL	W 0 9 8 5 6 1 7 3	12/1998	PCT (WORLD)	H04N	5/445	
BS	AM	W 0 9 7 4 8 2 2 8	12/1997	PCT 9WORLD)	H04N	5/445	

Examiner

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		Document Number										Date	Country	Class	Sub-class	Trans.	
																Yes	No
BS	AM	E	P	0	7	2	5	5	3	9	8/1996	EUROPE	H04N	5/445			
BS	AN	E	P	0	8	5	4	6	4	5	7/1998	EUROPE	H04N	5/445			
	AO	W	O	9	7	4	6	0	0	6	12/1997	JAPAN	H04N	5/44			✓
BS	AP	E	P	0	8	3	6	3	2	0	4/1998	EUROPE	H04N	7/088			
BS	AQ	G	B	2	3	2	5	5	3	7	11/1998	GREAT BRITAIN	H04N	7/088			
BS	AR	W	O	9	6	2	7	8	4	0	9/1996	PCT (WORLD)	G06F	17/30			
	AS	2	7	2	6	7	1	8			5/1996	FRANCE	H04N	5/272			✓
BS	AT	E	P	0	7	3	5	7	4	9	10/1996	EUROPE	H04N	5/445			
BS	AU	G	B	2	2	8	9	7	8	2	11/1995	GREAT BRITAIN	H04N				
BS	AV	0	5	7	2	0	9	0			12/1993	EUROPE	H04N	7/08			

Examiner

Brian Sheln

Date Considered

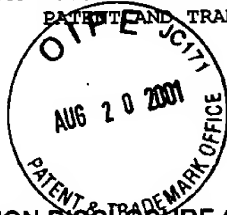
3/12/04

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	Document Number	Date	Country	Class	Sub-class	Trans.								
						Yes	No							
BS	AW	0 6 6 9 7 6 0	8/1995	EUROPE	H04N	5/445								
BS	AX	E P 0 7 2 1 2 5 3	7/1996	EUROPE	H03J	1/04								
BS	AY	E P 0 8 4 0 5 0 4	5/1998	EUROPE	H04N	5/44								
BS	AZ	E P 0 7 7 4 8 6 6	5/1997	EUROPE	H04N	5/44								
BS	AA	0 6 8 2 4 5 2	11/1995	EUROPE	H04N	5/445								
BS	AB	W 0 9 7 4 8 2 3 0	12/1997	PCT 9WORLD)	H04N	7/00								
BS	AC	W 0 9 9 0 1 9 8 4	1/1999	PCT (WORLD)	H04N	7/173								
Other: (Including Author, Title, Date, Pertinent pages, Etc.)														
BS	AD	BILLSUS ET AL, "Learning Probabilistic User Models", http://www.dtki.de/~bauer/um-ws/Final-Versions/Billsus/ProbUserModels.html												
BS	AE	BREESE ET AL., "Empirical Analysis of Predictive Algorithms for Collaborative Filtering", Proceedings of the Fourteenth Conference on Uncertainty in Artificial Intelligence, Madison, WI, July, 1998, Morgan Kaufmann Publisher												
BS	AF	PAZZANI ET AL., "Learning and Revising User Profiles: The Identification of Interesting Web Sites", Machine Learning 27, pp. 313-331, 1997												
Examiner <i>BS: Shela</i>				Date Considered <i>3/12/04</i>										
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(REV. 7-80) PATENT AND TRADEMARK OFFICEAtty. Docket No.
PHD 99,142Serial No.
09/498,271Applicant
DAVID J. SCHAFERFiling Date
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U.S. PATENT DOCUMENTS

Ex. Int		Document Number	Date	Name	Class	Sub-classes	Filing Date If Approp.
BS	AA	5 4 1 0 3 4 4	04/25/01	GRAVES ET AL.	348	1	
BS	AB	5 7 5 8 2 5 7	05/26/98	HERZ ET AL.	455	2	
BS	AC	5 8 6 7 7 9 9	02/02/99	LANG ET AL.	707	1	
BS	AD	5 9 8 7 4 1 5	11/16/99	BREESE ET AL.	704	270	
	AE						
	AF						

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-classes	Trans.
							Yes No
	AG						
	AH						
	AI						
	AJ						
	AK						

OTHER (Including Author, Title, Date, Pertinent Pages, Etc.)

	AL	
	AM	
	AN	

Examiner

B. E. Shelton

Date Considered

3/12/04

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